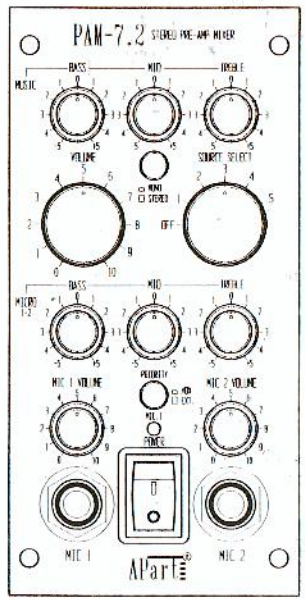
PAM-7.2 General Specifications :

Freq. Response	20-25.000 Hz
THD	<0.01 %
S/N RATIO	>90 dB
Tone control	± 12 dB
Low	80 Hz
Mid	1500 Hz
High	10000 Hz
Music stereo inputs	500 mV, 20 K
Mic inputs	1 mV, 600 ohm, balanced Each microphone can be PHANTOM powered by placing the corresponding jumper JP1 or JP2 internally
Stereo output	0 dB, 600 ohm
Power	230 Vac, 8VA
Dimensions & Weight	70× 140× 325mm, 1.4 kg

PAM-7.2

PROFESSIONAL STEREO PRE-AMPLIFIER MIXER

OWNER'S MANUAL



Precautions

WARNINGS

1. All operating instructions should be read before using this equipment.

2. To reduce risk of electric shock, do not remove cover or back. There are no user serviceable parts inside. Refer servicing to a qualified service technician.

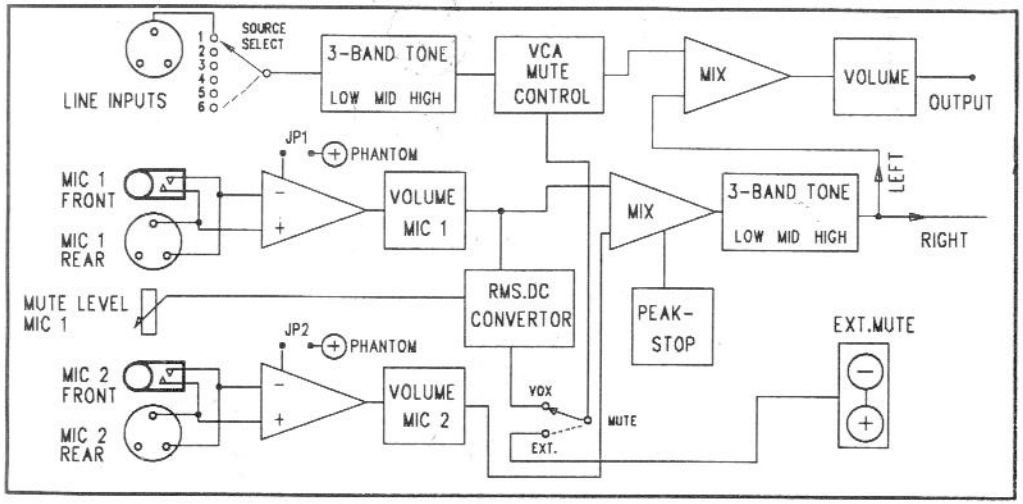
3. Do not expose this unit to direct sunlight or a heat source such as a radiator, stove or other heat producing appliance.

4. This unit should be cleaned with a damp cloth only. Avoid solvents or other cleaning detergents.

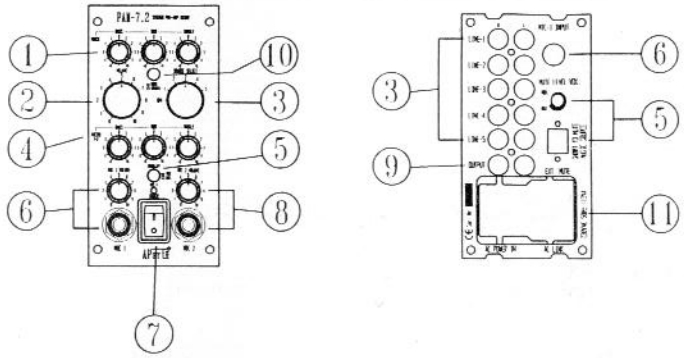
5. When moving this equipment, it should be placed in its original carton and packing or a suitable road case. This will reduce the risk of damage in transit.

If 'Hum' or 'Buzz' occurs when connecting different inputs, then this is often caused by 'ground or earth loops'. Inside, you can disconnect JP3 to break this ground loop. Please contact a qualified technician.

Block diagram



PAM-7.2 features & controls



1. Tone control for music inputs 1-5
With these controls, you can adjust the timbre of your music input ; LOW for "bass" tones, MID for mid tones(eg voice),HIGH for "treble" tones.

2. Master Volume control
This knob controls the volume of both the music sources AND the mix of the microphones.

3. Source select for music inputs 1-5
With this selector, you can choose one of the stereo music inputs which are connected on the rear Cinch RCA connectors.

4. Tone control for microphone inputs 1 + 2
With these controls, you can adjust the clearness or intelligibility of you microphones. However, a standard low-cut filter is built in to avoid "pop" sounds when a person speaks too close to the microphone.

5. Priority MIC 1 VOX./EXT switch
With this function, you can choose between 3 possiblities ;
a. mixing the microphones with the music
The VOX./EXT switch must be out, and there may be not a short-circuit on the Screw Terminal on the rear.
Now, you can make a mix by adjusting the volume controls of music, mic 1 and mic 2
b. mixing the microphone 1 with 'talk-over' function on the music ; auto-mixing
The VOX./EXT switch must be pushed in, and then the Screw Terminal on the rear is out of function.
Now, as soon as you speak through mic 1, then the level of the music will be attenuated or muted. When you stop speaking, the music will come back automatically. The level of this attenuation of the music can be adjusted by the mic 1 level on the front and the VOX trimmer on the rear.
Mic 2 can also be mixed in this program, but without 'talk-over' function.
c. priority of microphone 1 over the music
The VOX./EXT switch must be out. If you apply a short-circuit on the Screw Terminal on the rear, then the music will be muted. The rear VOX trimmer has no effect on this. Of course, the front volume control of mic 1 has to be set to the appropriate level.
This function is often used in applications with 'call' or 'emergency calls' .
Please note that the Screw Terminal may only be shorted by a contact, DO NOT apply any DC or AC voltages to this connector.

6. Volume control for microphone input 1
With this control, you can adjust the volume of your microphone input 1. This can be connected by the jack connector on the front or rear panel.

7. Power switch
Switch to 'ON' position to turn power on, and to 'OFF' to turn power off.

8. Volume control for microphone input 2
With this control, you can adjust the volume of your microphone input 2. This can be connected by the jack connector on the front panel.

9. Stereo cinch output
Output of the pre-amplifier mixer, to be connected to a power amplifier input. This output is a high quality drive output with mute circuit to avoid DC peaks when switching the unit ON and OFF.

10. Stereo-Mono switch
When this switch pushed in, then the Left and Right channels of the stereo music inputs shall be mixed to one Mono signal. This is often used when this unit is connected with Monoblock amplifiers MB-150 in multi-zone applications.

11. AC outlet(unswitched)/AC input
Use AC cord connect to the AC input to a AC socket.
Use the AC outlet to power other modules(with the MB-AC link cable)or to other associated equipment. AC voltage is always present as long as the amplifier is connected to the AC voltage source.